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JUN 23 1930
WEATHER BUREAU

MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

MAY 1930

TEMPERATURE

May temperatures averaged one or two degrees higher than normal over most of the settled regions of Ontario and Quebec, over a small part of the prairies and generally in the far northwest of the Dominion. Elsewhere they averaged normal or one to three degrees below, except on the east coast of Hudson Bay where they were about four degrees below normal.

PRECIPITATION

During May precipitation over the Dominion occurred for the most part as passing showers with great variation in intensity in short distances. In most of Manitoba and part of eastern Saskatchewan the excess over the normal amount ranged from 40 to 180 per cent. In southwestern Quebec the excess ranged from 5 to 125 per cent. In Ontario there were some moderate deficiencies and some large excesses with a moderate excess generally. In the Atlantic Provinces and the Gulf region of Quebec, totals were generally below normal although northeastern Nova Scotia and a few other localities had an excess. Southern Saskatchewan and southern Alberta and most of British Columbia reported deficiencies. In the Peace river country and part of the Edmonton region precipitation was either normal or considerably in excess.

BRITISH COLUMBIA

The month was generally cool with sharp frosts in the interior at the end of the first week. A few hot days occurred in the middle and towards the close of the month, but the average was generally one to three degrees below normal. Frequent showers occurred with total precipitation generally from 5 to 25 per cent below normal on Vancouver Island and in the lower Fraser Valley, but from 5 to 50 per cent in excess in the interior valleys. On Vancouver Island and the lower mainland it was a good month for growth but in the interior frosts did some injury.

ALBERTA, SASKATCHEWAN and MANITOBA

The month began warm and showery but was soon cool and windy weather followed with few hot days. Showers occurred on seven to ten days over Alberta and Saskatchewan and more frequently in Manitoba. Excess over the normal amount occurred in the Peace River country, in parts of the Edmonton-Battleford region, east from Saskatoon and Prince Albert to Manitoba, locally in south eastern Saskatchewan and generally in Manitoba except the extreme south western districts.

In Manitoba the excess was 40 to 180 per cent except in the south west where there was a deficiency of 10 to 50 per cent. Over approximately three quarters of the agricultural area of Saskatchewan and Alberta the deficiencies ranged from 5 to 80 per cent. A region from Youngstown and Empress south easterly to Swift Current and Shaunavon had less than one inch. Elsewhere in Alberta and Saskatchewan the general average was one and one half inches, except in part of eastern Saskatchewan where two and one half to three inches were recorded. In Manitoba one and one half to six inches were recorded.

Growth was reported as somewhat backward on account of cool weather, while some injury from wind was noted in central and southern districts. Rains in June have since improved conditions generally.

ONTARIO

May began very warm and remained warm (except for a few cool days at the end of the third week) till the twenty-fourth when began a period of extremely cool weather with killing frosts in some sections which lasted well into June. This was remarkably different from May weather last year which was unseasonably cold till near the close of the month when a record period of heat occurred. May, 1930, averaged one to four degrees above normal, although the last week was eight to twelve degrees below normal. Showery weather and thunderstorms were frequent until the nineteenth. Precipitation was 30 to 90 per cent in excess of the normal amount in north western Ontario, but east of Lakes Superior and Huron some areas had excess and others deficiency.

QUEBEC

The month ended cold but averaged one or two degrees above normal. Frequent showers, locally heavy, occurred after the middle of the month. In southwestern Quebec rainfall was 5 to 125 per cent in excess of normal, in the Laurentians and the upper St. Maurice Valley 30 to 90 per cent in excess. In the Lake St. John and lower St. Lawrence regions both excess and deficiency were reported, while Anticosti and the North Shore were 15 to 75 per cent below normal.

ATLANTIC PROVINCES

Temperatures averaged nearly normal or slightly below normal. The first two weeks were dry with serious forest fires. Precipitation was five to sixty per cent below normal over most of New Brunswick, fifteen to seventy per cent below in western Nova Scotia, and normal to 30 per cent in excess in Cape Breton Island and adjoining counties of the mainland.

HUDSON STRAIT

The month was four degrees above normal temperature at Churchill, four degrees below normal at Nottingham Island, and two degrees below in the eastern part of the Strait.

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria	68°	39°	0.5	286	Vancouver	72°	34°	2.9	254	Kelowna	81°	26°	1.2	
Goldstream Lake	...	...	1.4		New Westminster	79°	36°	2.8		Creston	77°	28°	2.4	
Sooke	69°	31°	1.3		Agassiz	82°	35°	3.5	159	Cranbrook	80°	24°	2.8	
Duncan	78°	29°	1.9		Chilliwack	84°	32°	4.7		Golden	78°	21°	1.3	
Alberni	81°	29°	3.7		White Rock	74°	35°	2.2		Kamloops	82°	33°	0.6	200
Nanaimo	71°	38°	1.7	260	Salmon Arm	80°	30°	2.0	185	Prince Rupert	68°	34°	4.0	
Courtenay	...	...	1.5		Vernon	81°	29°	1.6	201	Prince George	78°	20°	1.9	

ALBERTA

STATION	H	L	P	I	Soil Moisture	Crop Condition	Wheat Sowing	Coarse Grain Sowing	Damage
Grande Prairie	72°	21°	2.7	199	Excellent	Prospects good			
Edmonton	74°	26°	1.8	211	Ample	Seventy-five per cent above ground on 23rd	Finished by 15th		Garden stuff injured by frost on 21st
Medicine Hat	82°	31°	1.3	245		Progressing well			
Craigmyle			0.7		Dry		Finished by 15th	Finished by 31st	Some damage from high winds
Bear Lake	72°	19°	1.4		Ample	Prospects good	May 5th	May 20th	Negligible
Calmar			2.5						
Vermilion			1.6						
Wetaskiwin			1.1						
Jenner			1.4						
Perbeck			1.3						
Exshaw			2.3						
Macleod	74°	29°	1.8						
Banff	69°	27°	2.3						
Lake Louise			3.4						
Entrance			2.3						
Cowley			1.8						
Coleman			2.4						
Lougheed			0.2						
Wabamun			2.6						
Winnifred			1.7						

SASKATCHEWAN

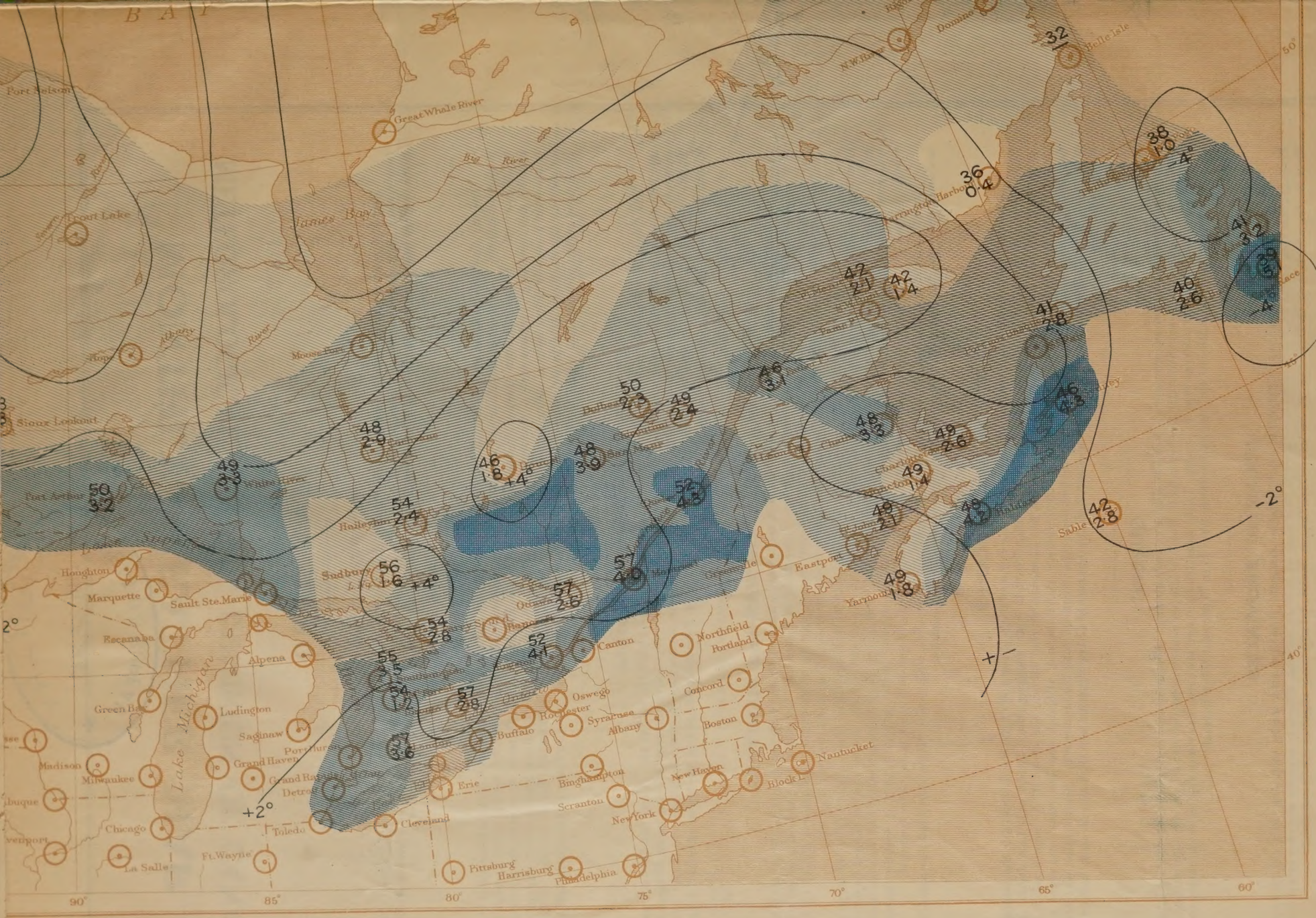
Prince Albert	84°	26°	1.4		Sufficient	Growth slow			Some damage from drifting on heavy soil
Battleford	79°	24°	1.4		Sufficient	Growth set back about a week by light frost. Coming along nicely on 31st			Some damage in spots from drifting
Scott	77°	21°	0.4	233					
Regina	90°	18°	1.0						
Qu'Appelle	86°	20°	1.3	249					
Swift Current	78°	22°	0.6	258	Dry				Some seed blown out
Moose Jaw	89°	23°	0.9	264	Moisture needed		Finished	Finished	Negligible
Aneroid	80°	24°	0.3		Little subsoil moisture	Badly whipped by high winds and dust. Twenty per cent stooling on June 1st	Finished by 20th	May 30th	None from frost, small damage from cutworms
Anglia	79°	20°	0.8		Fair	Fair	April 15th to May 20th	May 10 to June 1	Slight frost damage
Assiniboia	84°	20°	0.9		Fair	Cold weather retarding growth	Finished May 1st	Finished May 25	Some damage from high winds
Beechy	79°	9°	1.3		Barely sufficient	Stooling began on May 10th. Some summer fallow looks well	Finished by 23rd		Considerable summer fallow blown by high winds. Very slight damage by insects
Brooksby	85°	22°	2.4		Splendid	Good	Finished 27th	May 1	Slight frost damage in some places
Carlyle	83°	18°	1.3		Dry	Very backward. Rye a 35% crop	April 10th	15th to 24th	Flax damaged by frost
Chaplin	84°	23°	1.0		Dry	Generally good except where injured by soil drifting	April 10th	May 1st	
Dundurn	82°	20°	1.4		Dry on light land moderate on heavy land	Backward	Began April 25	May 10th	About 10% from frost
Ft. Qu Appelle	86°	18°	1.6		Fairly good	Early sown wheat stooling well	April 24th	May 10th	Some weeds. Frost damage slight
Francis	88°	20°	1.4						Considerable damage by soil drifting
Gravelbourg	84°	20°	0.5		Good	Fair			
Grenfell	83°	21°	1.9		Fair	Fair			
Dana	82°	20°	1.4		Dry	Fair	April 11th	May 10th	
Muenster	84°	18°	1.1		Fair	Wheat 4 inches high		May 10th	Some damage from strong winds
Quill Lake	82°	22°	1.2		Perfect	Never better	May 8th		
Rosetown	83°	13°	1.1		Dry	Eighty-five per cent of normal	April 15th	May 5th	Fifty per cent of crop injured by drifting
Saskatoon	77°	27°	1.3						
Waseca	78°	20°	2.0		Good	Early wheat recovering from frosts. Oats looking well	April 15th to May 25th	In progress	
Yellow Grass	90°	20°	1.7						

MANITOBA

STATION	H	L	P	I	SPECIAL REPORTS
Le Pas	79°	25°	3.5	208	
Winnipeg	91°	26°	4.1	183	
Minnedosa	88°	22°	1.6		Seeding just finished. Cold windy weather and frosts have injured grains in low lands.
Graysville	90°	27°	2.4		
Treherne	89°	25°	4.5		Wheat seeding completed about May 4th. All wheat above ground by the 15th. Two bad wind storms.
Birtle	89°	22°	2.2		Vegetation not so forward as at first promised. Wheat looking well, germination very even. Coarse grains retarded. The month was cool throughout.
St. Albans (Treesbank)	88°	23°	3.0		Considerable damage to crops by wind and frost.
Morden	90°	26°	3.4		Crop all in, wheat above ground and promises well. No injury from any cause so far reported.
Morden(Exp.Farm)	92°	23°	4.1	204	
Brandon	89°	23°	2.3	208	May generally cool. Frost recorded eight times during latter half of month. Wheat 6 inches above ground.
Morris	92°	30°	2.2		The cold damp weather has retarded vegetation very considerably. Gardens are not very good.
Oak Bank	88°	24°	3.8		
Sprague	87°	22°	5.7		
Pierson	90°	20°	0.9		
Dauphin	91°	25°	2.7		
Virden	90°	26°	2.8		
Russell	88°	20°	3.1		

ONTARIO

Kenora	87°	26°	5.0		
Quorn	89°	20°	1.3		
Port Arthur	80°	28°	3.2		Vegetation very forward. Waters low.
White River	84°	18°	3.3		
Kapuskasing	89°	21°	3.1	169	
Cochrane	86°	24°	2.9		Snowflurries on 4 days.
New Liskeard	85°	24°	2.2	177	
Haileybury	85°	27°	2.4		Vegetation forward in early part of May, slightly checked by white frost on 31st.
Sudbury	87°	32°	1.6		
Parry Sound	79°	30°	2.8		Gardens damaged by frost on 27th and 30th.
Scotia Junction	80°	22°	2.8		Crops well advanced. Grain and grass sown this spring somewhat checked by frosts. Ice ⅛ inch thick formed on morning of the 31st.
Beatrice	81°	24°	3.4		
Walker's Point	84°	25°	2.9	231	
Washago			3.4		Seeding practically completed in this vicinity. Outlook for crops good but rain needed on high land.
Barrie	85°	30°	3.8		Orchards in bloom about 10 days earlier than usual. Frosts during last week of month did only slight damage.
Beeton	89°	15°	3.3		Fall wheat and hay short. Spring crop backward.
Walkerton	86°	30°	3.5		First half of May was very warm and the rains made the growth very rapid. First frost on the 18th. Frosts on 26th, 27th, and 31st did considerable damage to tomatoes, beans, grape vines and gardens.
Alton	82°	31°	3.8		
Mount Forest	82°	25°	1.1		Frost every night during the last week of May with ice forming on 26th, 27th and 31st. No serious damage reported but seeding was retarded and is now progressing.
Brucefield	82°	29°	3.2		
Lucknow	82°	28°	2.9		Apple trees in blossom about 10 days earlier than usual. Killing frosts on 3 nights during the last week.
Southampton	84°	30°	3.5		During May hot days alternated with cold days. Cold winds all month. Three frosts which killed tender garden stuff, alfalfa and fruit. Soil dry but crops in fair condition.
Woodstock	80°	33°	2.2	258	Very warm during the first part of May but cold the latter part. White frost on 4 nights during the last week.
London	86°	32°	3.6		Frost reported twice towards the end of the month injuring early potato crop and strawberries.
Paris	91°	33°	2.9		Fruit trees in blossom by the 8th.
Simcoe	91°	29°	1.9		Growth checked by dry weather and frosts in last week of month. Tobacco and early garden crop cut down considerably by frost. Fall wheat wintered fairly well. Berry crop shews effect of last year's drought which prevented vines from rooting well.
Harrow	83°	34°	1.0	249	Frost did very little damage during the last week of May in Essex County. Crops generally good.
Bloomfield	87°	27°	2.8		
Toronto	87°	35°	2.8	248	
Kingston	80°	36°	4.2	214	Hay crop in good condition, other crops fair. Pastures excellent.
Peterboro'	87°	31°	4.0		Latter half of month was cool. Some damage by frost on the 31st.
Queensboro'	87°	27°	2.4		Month opened warm but became cooler after 15th. Frost on night of 30th did considerable damage to potatoes, tomatoes, beans, and other tender crops.
Brockville	84°	33°	2.6		Spring work somewhat backward, conditions unfavorable.
Morrisburg	83°	31°	5.8		Very little seeding finished. Ground very wet. Small fruits will be scarce.
Ottawa	88°	32°	2.6		
Ottawa(Exp.Farm)	86°	30°	2.7	208	First part of month warm and dry, latter half cool and showery. Seeding completed early in the month.
Renfrew	86°	32°	2.0		Crops are backward on account of the season being so cold and wet. Frost has affected all vegetation, checking growth considerably.
Pembroke	89°	28°	1.8		Hay crops good, other crops backward on account of cold weather.
Clontarf	88°	25°	2.5		


Port Nelson
Great Whale River
Albany River
Moose River
Sioux Lookout
Port Arthur
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Madison
Milwaukee
Grand Haven
Chicago
Toledo
Cleveland
Ft. Wayne
La Salle
Lake Michigan
Buffalo
Erie
Pittsburg
Harrisburg
Philadelphia
Scranton
Binghampton
New York
Albany
Syracuse
Oswego
Rochester
Canton
Northfield
Portland
Concord
Boston
Nantucket
New Haven
Block I.
Belle Isle
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Eastport
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90°
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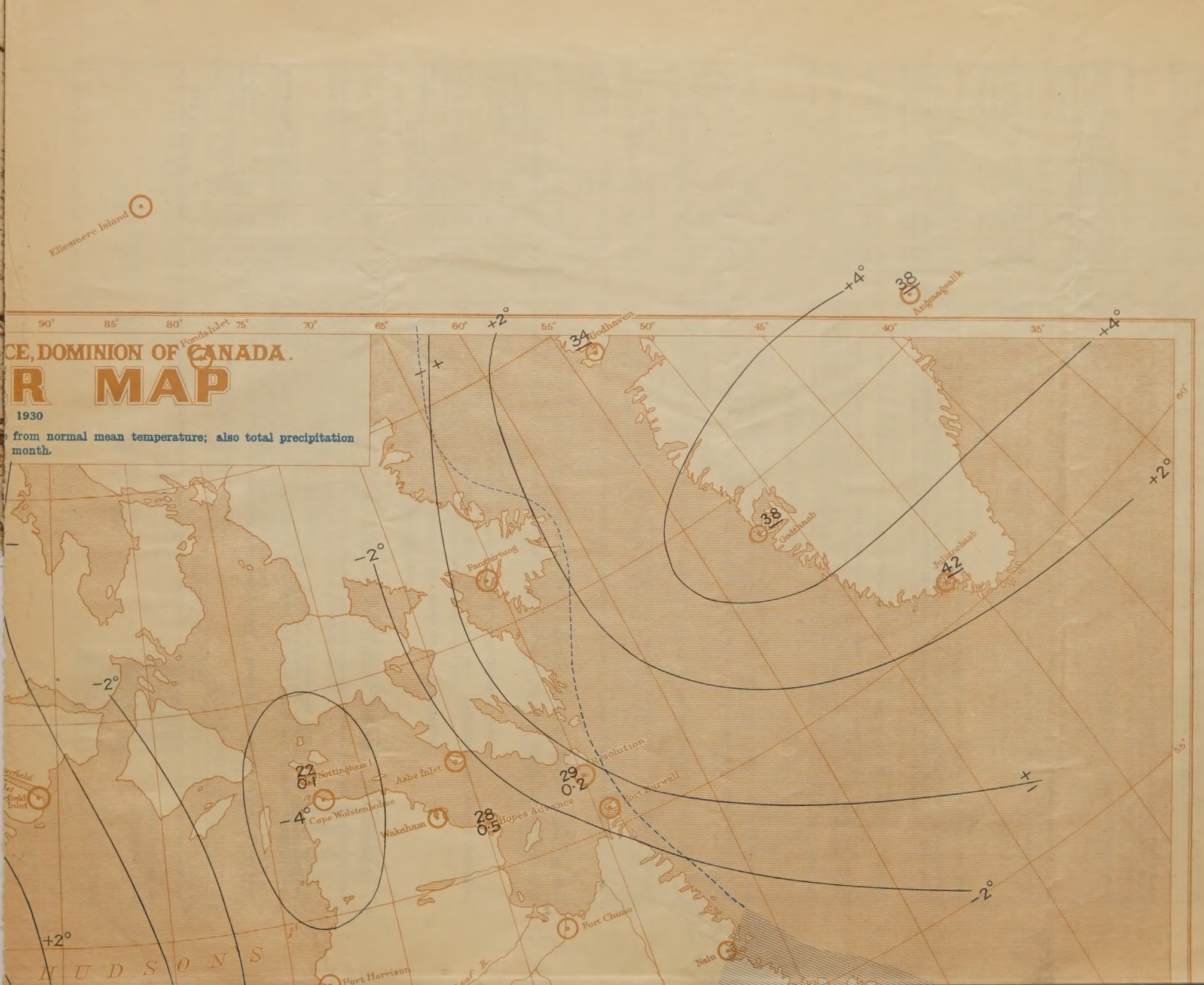
CE, DOMINION OF CANADA.
R MAP
1930
from normal mean temperature; also total precipitation
month.
Ellesmere Island
Ponds Inlet
Godhaven
Angmagssalik
Godthaab
Julianehaab
Pangnirtung
Nottingham I.
Ashe Inlet
Cape Wolstenholme
Wakeham
Hopes Advance
Resolution
Fort Burwell
Fort Chimo
Port Harrison
Nain
HUDSON'S
90°
85°
80°
75°
70°
65°
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55°
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28
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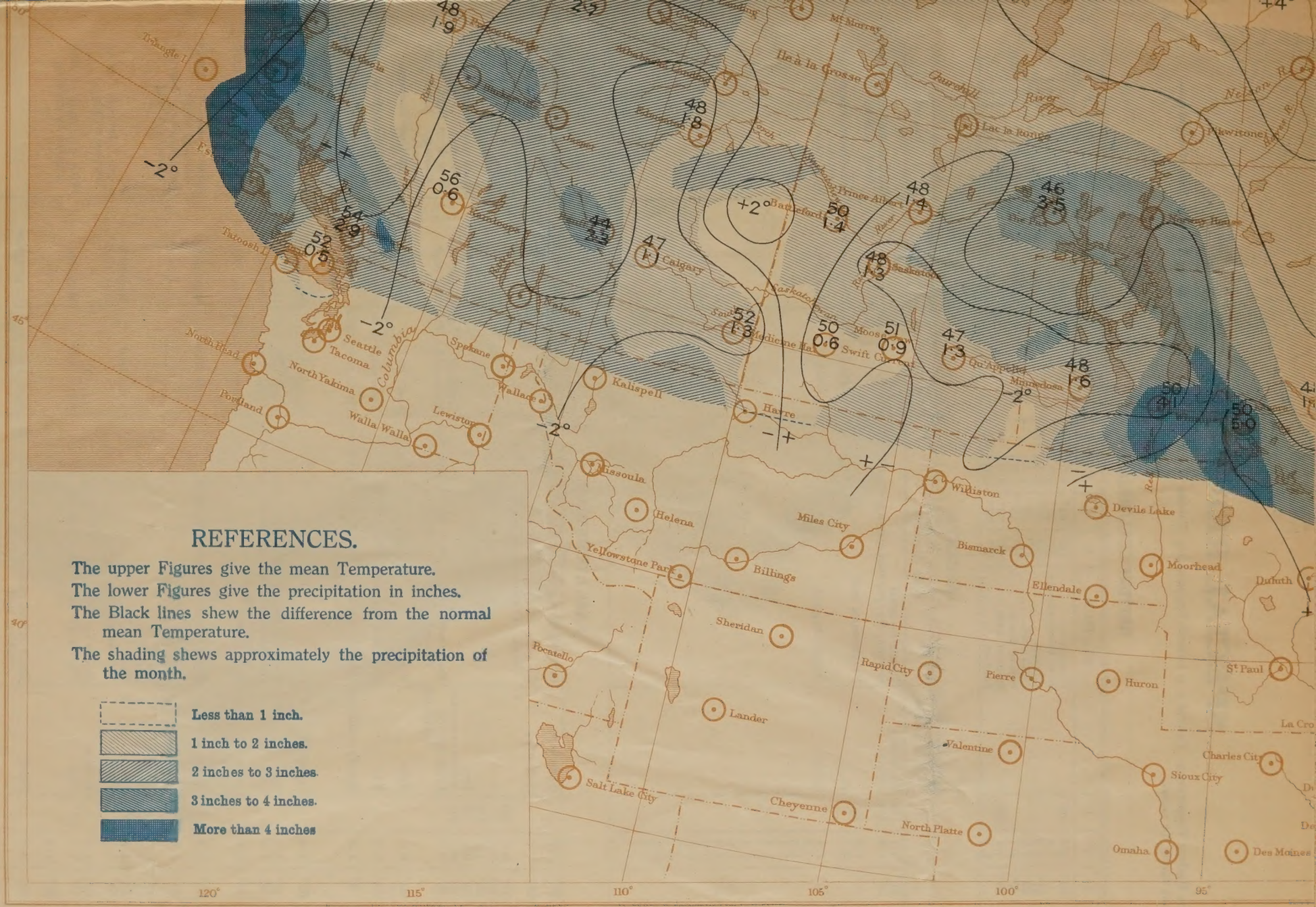

REFERENCES.

The upper Figures give the mean Temperature.

The lower Figures give the precipitation in inches.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch.
- 1 inch to 2 inches.
- 2 inches to 3 inches.
- 3 inches to 4 inches.
- More than 4 inches

METEOROLOGICAL SERV
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Chart shewing the mean temperature and the differe
of t
47
0·5
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Tanana
Fort Yukon
Herschell I.
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
80°
36
0·2
Aklavik
Eagle
46
0·5
McPherson
48
0·2
Dawson
Valdez
Yukon
River
47
0·6
Mayo
Good Hope
+2°
Cambridge Bay
Great Bear Lake
Norman
Mackenzie River
Coppermine R.
46
0·1
Aclin
55°
Stikine
River
Liard
River
46
0·5
Simpson
Great Slave Lake
Hay River
44
0·9
Fort Smith
Height of Land
River
Chipewyan
-2°
33

QUEBEC

STATION	H	L	P	I	SPECIAL REPORTS
Cedars	84°	33°	4.7		
Macdonald College	83°	36°	3.8		Month was exceptionally wet and cold.
Montréal	86°	36°	4.0	169	
Farnham	87°	31°	4.9	176	Seeding retarded during the last week on account of rain. Some slight damage by frost to seed beds. Tobacco not yet planted, other crops are fine.
Brome	84°	28°	6.5		Seeding badly retarded, low lands very wet.
Lennoxville	83°	28°	6.2	180	Cold wet weather during the latter part of May retarded seeding and growth of crops. Several slight frosts did very little damage Pastures and hay crops making excellent growth. Orchard and garden fruits bloomed and are doing well. Growth of vegetables held up by cold and rains but some planted early doing very well.
Sherbrooke	84°	32°	3.1		Hay is growing very well. Frequent rains have retarded sowing.
Drummondville	87°	29°	5.4		Although growth made a very good beginning it has been seriously retarded by the cold and gloomy weather of the last fortnight.
Nicolet	84°	33°	5.2		The last week of May was very wet, rainfall totalling 2.74 inches. Vegetation is in good condition.
Sorel	89°	34°	3.8		May weather has been wet and cold. Potato planting started about the 21st. Pasture in good condition.
St. Gabriel de Brandon	80°	34°	5.1		Season late on account of cold and gloomy weather
Donnacona	85°	33°	4.5		
Joliette	85°	34°	3.1		Sowing has been completed in this district. Hay fields are in fine condition.
Beauceville	80°	29°	3.9		Latter part of the month quite wet.
Lake Mégantic	70°	28°	4.2		Ice had all melted by the 2nd. Ploughing was finished on the 10th.
Québec	83°	32°	4.3	193	May was fair and rather mild until the 25th, then rainy and cool. Vegetation and farming operations about average.
Cap Rouge	87°	33°	3.5	181	Hay appears to be in good condition. Grain has reached the jointing stage.
St. Joachim	83°	31°	1.5		Spring sowing commenced May 7th.
Armagh	79°	36°	2.9		
Ste. Anne de la Pocatiére	85°	30°	2.9	196	Spring sowing has been delayed considerably by the rains of the last week of May. Apple orchards in bloom.
Bicquet	...	...	...		Ploughing and sowing well advanced considering the unfavorable weather at the end of May. Grasses growing well.
Chicoutimi	80°	30°	2.4		
Dolbeau	86°	...	2.3		
Roberval	89°	38°	1.3		Spring sowing has made rapid progress and growth is beginning Fishing season has opened on Lake St. John.
Sanmaur	92°	20°	3.9		Vegetation is unseasonably late.
Albanel	83°	26°	2.7	211	Sowing practically complete at end of May and growth is satisfactory.
Huberdeau	80°	27°	3.8		Sowing completed under favorable conditions. Second half of the month was very wet and grasses are growing well.
St. Lin des Laurentides	88°	32°	2.5		Frogs piping May 2nd. Spring sowing commenced on the 5th and finished 13th.
Maniwaki	87°	...	3.3		Growth has been slow.
Mont Laurier	86°	26°	1.7		Growth has been satisfactory.
La Ferme	79°	24°	1.4	185	
Ville Marie	82°	26°	2.3		Sowing commenced May 2nd, practically finished by the 20th. Growth has been slow on account of cold weather. The lake was free of ice on May 3rd.
Abitibi	82°	23°	1.4		Spring sowing commenced on the 15th. Last week cold with several heavy frosts. Pastures were still poor and first sown grain is just appearing above ground.

ATLANTIC PROVINCES

St. John	72°	35°	2.1	213	Excellent weather for ploughing and seeding. Rains during the latter part of the month helped the crops and extinguished local forest fires. Wells dry in some localities.
Aroostook	75°	27°	2.1		May generally has been cool and dry. At end of month potato crop more than half planted, grain crops are all seeded. Ground is dry but shews improvement after rain of the last few days of month. Roads are good. Height of freshet on St. John River occurred on May 5th.
Bathurst	71°	29°	2.3		
Chatham	71°	27°	3.3		Unfavorable weather during latter part of month retarded farming somewhat, but on dry ground seeding is fairly well advanced.
Edmundston	73°	27°	2.4		
Fredericton	77°	29°	2.7	218	First part of month dry and fine and favorable for seeding. Last week was wet and cold.
Fredericton (Experimental Farm)	77°	31°	2.3	220	Pastures making good growth, a week earlier than last year. Hay crop is also forward. Very little winter killing. Grain and root crops germinating well. Apple trees in full bloom. All crops very promising.
Gagetown	77°	33°	2.2		A cold, backward month; gardens and shrubs coming on slowly. Rains of the last week will be a great help.
Grand Falls	74°	29°	1.3		Planting well advanced.
Moncton	75°	23°	1.4		
Musquash	78°	26°	2.7		Vegetation in good condition.
McAdam Junction	80°	29°	3.7		Month was dry until the last week when it became cool and wet.
Rexton	78°	27°	2.2		Trees in blossom. Potatoes planted during the first week of May. Wheat above ground in some sections.
Sussex	76°	26°	1.1		Grasses doing well. Seeding well advanced. Roads in good condition. No forest fires reported.
Woodstock	83°	27°	2.8		Planting nearly completed. Fruit trees in bloom. General conditions favorable.
Halifax	79°	28°	4.2		
Digby	70°	30°	1.0		Crops doing well in spite of dry weather.
Kentville	81°	25°	1.6		Early apple trees in bloom at end of month.
Liverpool	84°	28°	3.0		On account of long period without rain grasses are not up to the average. Cold nights and frosts have retarded crops and vegetable gardens.
Nappan	72°	26°	1.9	218	Until the 16th the weather was very dry and cool, only .17 of rain falling during this period. Seeding generally three weeks earlier than last year. Germination and growth fair. New seeded grain areas shewing poor growth, badly winter killed. Older sod lands and pasture areas in fairly good condition.
Sydney	74°	30°	4.3		The month was very cool throughout.
Upper Stewiacke	77°	20°	2.9		Sowing and planting nearly completed. Very cold the latter part of May with light rains.
Wolfville	81°	32°	1.7	2.1	Vegetation not quite up to average. Early apple trees bloomed during the last few days. The month has been dry and the latter part cold.
Yarmouth	66°	34°	1.8		The deficiency noted during March and April has continued through May. No rain fell from April 24th to May 15th. Wells, springs, brooks and swamps dry, resulting in severe forest fires that raged unchecked until the latter part of the month. Otherwise conditions for planting and seeding were favorable. Grass crop backward.
Charlottetown	71°	32°	2.0		Very favorable weather for farming operations, about 10 days earlier than usual. Grain seeding throughout the province completed.
Charlottetown (Experimental Farm)	72°	30°	2.6	255	